



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Circular Plastic Connector, CMC Series 1



Connector Product Type: **Housing**

Operating Voltage: **600 VDC**

Wire Size: **.05 – .2 mm<sup>2</sup>**

Connector System: **Wire-to-Wire**

[All Circular Plastic Connector, CMC Series 1 \(24\)](#)

## Features

### Product Type Features

Connector Product Type	Housing
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector & Housing Type	Plug
Circular Connector Shell Type	Metal-Shell

### Configuration Features

Reverse Numbering	Without
Number of Positions	5
Number of Power Positions	0
Number of Signal Positions	5

### Electrical Characteristics

Operating Voltage	600 VAC
-------------------	---------



### Contact Features

Reverse Gender	No
Contact Type	Socket
Contact Current Rating (Max)	13 A
Contact Protection	With

### Termination Features

Termination Method to Wire & Cable	Crimp & Solder
------------------------------------	----------------

### Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Mating Retention Type	Threaded Coupling
Thread Size	7/8-20 UNEF-2A
Polarization Code	A
Mating Retention	With
Panel Mount Feature	Without

### Housing Features

Body Orientation	Straight
Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	14

### Dimensions

Compatible Insulation Diameter Range	3.43 mm[.135 in]
Wire Size	.05 – .2 mm <sup>2</sup>

### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	None

### Operation/Application

Circuit Application	Power & Signal
Shielded	No

### Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

### Packaging Features



Packaging Quantity	12
Packaging Method	Carton

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Compatible Parts




TE Part # CAT-AM71-C83998C  
Circular Plastic Connector, CMC Series 1



TE Part # 208945-5  
SZ 14 UNASSM KIT, CMC




TE Part # CAT-AM71-T98E  
Pin and Socket Contacts, Type III, LP




TE Part # CAT-AM71-T98D  
Pin and Socket Contacts, Type III, LP EMEA




TE Part # CAT-AM71-T98A  
Strip Pin and Socket Contacts, Type III, LP



TE Part # CAT-AM71-T98G  
Pin and Socket Contacts, Type III, LP, High Current



TE Part # CAT-AM71-T98  
Pin and Socket Contacts, Type II




TE Part # CAT-AM71-T98B  
Strip Pin and Socket Contacts, Type III



TE Part # CAT-AM71-T98F  
Strip Pin and Socket Contacts, Type III, High Current



TE Part # 91542-1  
CCII TYPE III+ PIN SKT 24-22 ASSY




TE Part # 91519-1  
CCII TYPE III+ PIN SKT 18-14 ASSY



TE Part # 91505-1  
CCII TYPE III+ 24-16 ASSY



TE Part # 58495-1  
PRO CRIMPER ASSY MULTIMATE



TE Part # 91521-1  
CCII TYPE III+ PIN SKT 18-14 ASSY



TE Part # 193846-1  
SKT ASSY.




TE Part # 1-66359-9  
III+PIN,18-14,TIN,STRIP



TE Part # 2-66358-1  
III+SKT,18-14,TIN STRIP



TE Part # 91515-1  
CCII TYPE III+ MNL PIN SKT 30-20 ASSY




TE Part # 91523-1  
CCII TYPE III+ PIN SKT 24-16 ASSY




TE Part # 601967-1  
CRIMPING TOOL M22520/1-01


Also in the Series | AMP CPC




Circular Connector Adapters(7)



Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



Circular Power Connectors(459)



Connector Backshells(56)



Connector Seals & Cavity Plugs(36)



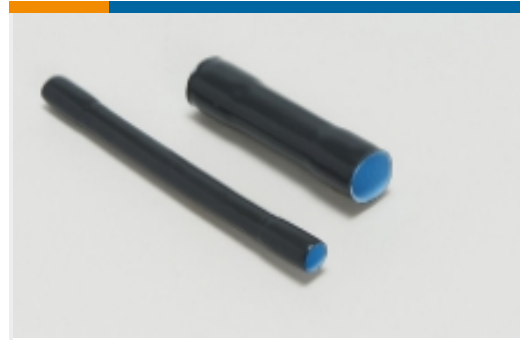
Connector Strain Relief(6)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)

## Customers Also Bought



TE Part #208714-1  
Circular Plastic Connector, CMC Series 1



TE Part #66601-2  
III+ SKT,18-14,30AU/FL,LP



TE Part #1-794070-1  
20P MINI UMNL HDR W/DH AU LF



TE Part #172334-1  
MINI UMNL CAP HOUSING 15P



TE Part #208482-1  
CMC PLUG ASSEMBLY,SZ 28



TE Part #5-212502-1  
RECEPT ASSY,9C4,AMPLIMITE

## Documents

### Product Drawings

[CMC PLUG ASSEMBLY,SZ 14-5](#)

English

### CAD Files

[3D PDF](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_208718-1\\_J.2d\\_dxf.zip](#)



English

Customer View Model

[ENG\\_CVM\\_208718-1\\_J.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_208718-1\\_J.3d\\_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_208718-1\\_R.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_208718-1\\_R.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_208718-1\\_R.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

---

### Datasheets & Catalog Pages

[AMP Circular Connectors for Commercial Signal & Power Applications Continued](#)

English

---

### Product Specifications

[Application Specification](#)

English

---

### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

---

### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

---

### Agency Approvals

[UL Report](#)

English